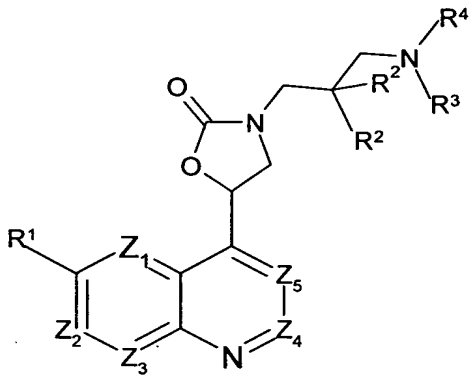
Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) A compound of formula (I)



(I)

wherein:
one of Z_1, Z_2, Z_3, Z_4 and Z_5 is N, one is CR^{1a} and the remainder are CH, or
one or two of Z_1, Z_2, Z_3, Z_4 and Z_5 are independently CR^{1a} and the remainder are CH;

R^1 and R^{1a} are independently hydrogen; hydroxy; (C_{1-6})alkoxy unsubstituted or substituted by (C_{1-6})alkoxy, amino, piperidyl, guanidino or amidino any of which is optionally N-substituted by one or two (C_{1-6})alkyl, acyl or (C_{1-6})alkylsulphonyl groups, $CONH_2$, hydroxy, (C_{1-6})alkylthio, heterocyclylthio, heterocyclyloxy, arylthio, aryloxy, acylthio, acyloxy or (C_{1-6})alkylsulphonyloxy; (C_{1-6})alkoxy-substituted(C_{1-6})alkyl; halogen; (C_{1-6})alkyl; (C_{1-6})alkylthio; trifluoromethyl; trifluoromethoxy; nitro; cyano; azido; acyl; acyloxy; acylthio; (C_{1-6})alkylsulphonyl; (C_{1-6})alkylsulphoxide; arylsulphonyl; arylsulphoxide or an amino, piperidyl, guanidino or amidino group optionally N-substituted by one or two (C_{1-6})alkyl, acyl or (C_{1-6})alkylsulphonyl groups; provided that when Z_1, Z_2, Z_3, Z_4 and Z_5 are CR^{1a} or CH, then R^1 is not hydrogen;

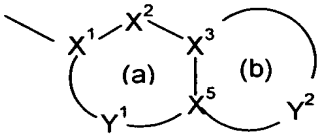
each R^2 is independently hydrogen, OH, NH_2, substituted or unsubstituted (C_{1-6})alkyl, or substituted or unsubstituted (C_{1-6})alkoxy;

R^3 is H, or substituted or unsubstituted (C_{1-6})alkyl;

R^4 is a group -U-R^5 where

U is selected from CH_2, C=O, and SO_2 and

R^5 is a substituted or unsubstituted aryl group, or a substituted or unsubstituted bicyclic carbocyclic or heterocyclic ring system (A):



(A)

containing up to four heteroatoms in each ring in which

ring (a) is aromatic and ring (b) is non-aromatic;

X^1 is C;

X^2 is N or CR^6;

X^3 and X^5 are C;

Y^1 is a 0 to 3 atom linker group, each atom of which is independently selected from N and CR^6;

Y^2 is a 2 to 6 atom linker group, each atom of Y^2 being independently selected from N, NR^8, O, S(O)x, CO, CR^6 and CR^6R^7;

each of R^6 and R^7 is independently selected from: hydrogen; (C_{1-4})alkylthio; halo; carboxy(C_{1-4})alkyl; halo(C_{1-4})alkoxy; halo(C_{1-4})alkyl; (C_{1-4})alkyl; (C_{1-4})alkoxycarbonyl; formyl; (C_{1-4})alkylcarbonyl; (C_{2-4})alkenyloxycarbonyl; (C_{2-4})alkenylcarbonyl; (C_{1-4})alkylcarbonyloxy; (C_{1-4})alkoxycarbonyl(C_{1-4})alkyl; hydroxy; hydroxy(C_{1-4})alkyl; mercapto(C_{1-4})alkyl; (C_{1-4})alkoxy; nitro; cyano; carboxy; amino wherein the amino group is optionally substituted by (C_{1-4})alkoxycarbonyl, (C_{1-4})alkylcarbonyl, (C_{2-4})alkenyloxycarbonyl, (C_{2-4})alkenylcarbonyl, (C_{1-4})alkyl or (C_{2-4})alkenyl and optionally further substituted by (C_{1-4})alkyl or (C_{2-4})alkenyl; (C_{2-6})alkenyl; (C_{1-4})alkylsulphonyl; (C_{2-4})alkenylsulphonyl; aminosulphonyl wherein the amino group is optionally mono- or di-substituted by (C_{1-4})alkyl or (C_{2-4})alkenyl; aryl; aryl(C_{1-4})alkyl; and aryl(C_{1-4})alkoxy;

each R^8 is independently hydrogen; trifluoromethyl; (C_{1-4})alkyl unsubstituted or substituted by hydroxy, (C_{1-6})alkoxy, (C_{1-6})alkylthio, halo or trifluoromethyl; (C_{2-4})alkenyl; aryl; aryl (C_{1-4})alkyl; arylcarbonyl; heteroarylcarbonyl; (C_{1-4})alkoxycarbonyl; (C_{1-4})alkylcarbonyl; formyl; (C_{1-6})alkylsulphonyl; or aminocarbonyl wherein the amino group is optionally substituted by (C_{1-}

$_4$)alkoxycarbonyl, (C_{1-4})alkylcarbonyl, (C_{2-4})alkenyloxycarbonyl, (C_{2-4})alkenylcarbonyl, (C_{1-4})alkyl or (C_{2-4})alkenyl and optionally further substituted by (C_{1-4})alkyl or (C_{2-4})alkenyl; and x is 0, 1, or 2; or

a pharmaceutically acceptable salt thereof.

2. (Original) A compound according to claim 1 wherein Z_5 is CH or N, Z_3 is CH or CF and Z_1, Z_2 and Z_4 are each CH, or Z_1 is N, Z_3 is CH or CF and Z_2, Z_4 and Z_5 are each CH.

3. (Original) A compound according to claim 1 wherein R^1 is methoxy and R^{1a} is H or when Z_3 is CR^{1a} it may be C-F.

4. (Original) A compound according to claim 1 wherein in the heterocyclic ring (A) Y^2 has 3-5 atoms including NR^8, O or S bonded to X^5 and NHCO bonded via N to X^3, or O or NH bonded to X^3.

5. (Previously presented) A compound according to claim 1 wherein R^6 and R^7 are independently hydrogen; hydroxy; halo; or (C_{1-4})alkyl unsubstituted or substituted by hydroxy, (C_{1-6})alkoxy, (C_{1-6})alkylthio, halo or trifluoromethyl; (C_{2-4})alkenyl; or (C_{1-4})alkoxycarbonyl.

6. (Original) A compound according to claim 1 wherein R^5 is selected from 1H-Indol-2-yl, quinolin-8-ol-2-yl, 3-Oxo-3,4-dihydro-2H-benzo[1,4]oxazine-6-yl, 4H-benzo[1,4]oxazin-3-one-6-yl, 4-Fluoro-1H-benzoimidazol-2-yl, 3,6-dimethyl-3H-benzooxazol-2-one, 4H-benzo[1,4]thiazin-3-one-6-yl, 3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-yl, 4-Oxo-2,3,4,5-tetrahydro-benzo[b][1,4]thiazepine-7-yl, 7-Chloro-3-oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-yl, 3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]oxazine-6-yl, and 4H-pyrido[3,2-b][1,4]oxazin-3-one-6-yl.

7. (Currently amended) A compound according to claim 1 which is selected from:
3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;
4-Oxo-2,3,4,5-tetrahydro-benzo[b][1,4]thiazepine-7-sulfonic acid {3-[(R)-5-(6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;
3-Oxo-3,4-dihydro-2H-benzo[1,4]oxazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;

7-Chloro-3-oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide; and

3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-sulfonic acid {3-[(R)-5-(8-fluoro-6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide; or

~~3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;~~

~~3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-sulfonic acid {3-[(S)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;~~

~~3-Oxo-3,4-dihydro-2H-benzo[1,4]oxazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;~~

~~3-Oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazine-6-carboxylic acid {3-[(R)-5-(6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;~~

~~(R)-3-{3-[(1H-Indol-2-ylmethyl)-methyl-amino]-propyl}-5-(6-methoxy-quinolin-4-yl)-oxazolidin-2-one;~~

~~(R)-3-{3-[(Benzo[1,2,5]thiadiazole-5-ylmethyl)-amino]-propyl}-5-(6-methoxy-quinolin-4-yl)-oxazolidin-2-one;~~

~~(R)-3-{3-[(1H-Indol-2-ylmethyl)-amino]-propyl}-5-(6-methoxy-quinolin-4-yl)-oxazolidin-2-one;~~

~~(R)-3-{3-[(8-Hydroxy-quinolin-2-ylmethyl)-methyl-amino]-propyl}-5-(6-methoxy-quinolin-4-yl)-oxazolidin-2-one;~~

~~(R)-3-{3-[(4-Fluoro-1H-benzoimidazol-2-ylmethyl)-amino]-propyl}-5-(6-methoxy-quinolin-4-yl)-oxazolidin-2-one;~~

~~6-({3-[(R)-5-(6-Methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]- propylamino}-methyl-4H-benzo[1,4]oxazin-3-one;~~

~~(R)-3-{3-[(8-Hydroxy-quinolin-2-ylmethyl)-amino]-propyl}-5-(6-methoxy-quinolin-4-yl)-oxazolidin-2-one;6-({3-[(R)-5-(6-Methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl-4H-benzo[1,4]thiazin-3-one;~~

~~6-({3-[(R)-5-(6-Methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl)-4H-pyrido[3,2-b][1,4]oxazin-3-one;~~

~~6-({3-[(R)-5-(8-Fluoro-6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl)-4H-pyrido[3,2-b][1,4]oxazin-3-one;~~

~~3-Oxo-3,4-dihydro-2*H*-benzo[1,4]thiazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-2,2-dimethyl-propyl}-amide;~~

~~2,3-Dihydro-benzo[1,4]dioxine-6-sulfonic acid {3-[5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;~~

~~6-({3-[5-(6-Methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl)-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one;~~

~~6-({3-[5-(6-Methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl)-4*H*-pyrido[3,2-*b*][1,4]oxazin-3-one;~~
~~3-Oxo-3,4-dihydro-2*H*-benzo[1,4]thiazine-6-sulfonic acid {(R)-2-hydroxy-3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;~~
~~6-({(S)-2-Hydroxy-3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl)-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one;~~
~~3-Oxo-3,4-dihydro-2*H*-benzo[1,4]thiazine-6-sulfonic acid {(S)-2-hydroxy-3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide; or~~
~~6-({(R)-2-Hydroxy-3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl)-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one; or [GSK214123A]~~

a pharmaceutically acceptable salt thereof.

8. (Original) A pharmaceutical composition comprising a compound according to claim 1 and a pharmaceutically acceptable carrier.

9. (Currently amended) A method of treating bacterial infections due to an organism selected from Staphylococcus aureus, Staphylococcus epidermidis, Streptococcus pneumoniae, Streptococcus pyogenes, Enterococcus faecalis, Enterococcus faecium, Haemophilus influenzae, E. coli, and Moraxella catarrhalis in mammals which comprises the administration to a mammal in need thereof an effective amount of a compound according to claim 1.

10. (Previously presented) A pharmaceutical composition comprising a compound according to claim 7 and a pharmaceutically acceptable carrier.

11. (Currently amended) A method of treating bacterial infections in mammals due to an organism selected from Staphylococcus aureus, Staphylococcus epidermidis, Streptococcus pneumoniae, Streptococcus pyogenes, Enterococcus faecalis, Enterococcus faecium, Haemophilus influenzae, E. coli, and Moraxella catarrhalis which comprises the administration to a mammal in need thereof an effective amount of a compound according to claim 7.

12. (New) A compound according to claim 1 which is: 3-Oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazine-6-carboxylic acid {3-[(R)-5-(6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide; or a pharmaceutically acceptable salt thereof.

13. (New) A compound according to claim 1 which is selected from:

6-({3-[(R)-5-(6-Methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}amino)-methyl-4H-benzo[1,4]oxazin-3-one;

6-({3-[(R)-5-(6-Methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}amino)-methyl-4H-benzo[1,4]thiazin-3-one;

6-({3-[(R)-5-(6-Methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl)-4H-pyrido[3,2-b][1,4]oxazin-3-one; and

6-({3-[(R)-5-(8-Fluoro-6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl)-4H-pyrido[3,2-b][1,4]oxazin-3-one; or

a pharmaceutically acceptable salt thereof.

14. (New) A compound according to claim 1 selected from:

3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;

3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-sulfonic acid {3-[(S)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;

3-Oxo-3,4-dihydro-2H-benzo[1,4]oxazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;

3-Oxo-3,4-dihydro-2*H*-benzo[1,4]thiazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-2,2-dimethyl-propyl}-amide;

2,3-Dihydro-benzo[1,4]dioxine-6-sulfonic acid {3-[5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;

3-Oxo-3,4-dihydro-2*H*-benzo[1,4]thiazine-6-sulfonic acid {(R)-2-hydroxy-3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide; and

3-Oxo-3,4-dihydro-2*H*-benzo[1,4]thiazine-6-sulfonic acid {(S)-2-hydroxy-3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl}-2-oxo-oxazolidin-3-yl]-propyl}-amide; or

a pharmaceutically acceptable salt thereof.

15. (New) A compound according to claim 1 selected from:

6-({3-[5-(6-Methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl)-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one;

6-({3-[5-(6-Methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl)-4*H*-pyrido[3,2-*b*][1,4]oxazin-3-one;

6-({(S)-2-Hydroxy-3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl)-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one; and

6-({(R)-2-Hydroxy-3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl)-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one; or a pharmaceutically acceptable salt thereof.

16. (New) A pharmaceutical composition comprising a compound according to claim 12 and a pharmaceutically acceptable carrier.

17. (New) A pharmaceutical composition comprising a compound according to claim 13 and a pharmaceutically acceptable carrier.

18. (New) A pharmaceutical composition comprising a compound according to claim 14 and a pharmaceutically acceptable carrier.

19. (New) A pharmaceutical composition comprising a compound according to claim 15 and a pharmaceutically acceptable carrier.

20. (New) A method of treating bacterial infections due to an organism selected from Staphylococcus aureus, Staphylococcus epidermidis, Streptococcus pneumoniae, Streptococcus pyogenes, Enterococcus faecalis, Enterococcus faecium, Haemophilus influenzae, E. coli, and Moraxella catarrhalis in mammals which comprises the administration to a mammal in need thereof an effective amount of a compound according to claim 12.

21. (New) A method of treating bacterial infections due to an organism selected from Staphylococcus aureus, Staphylococcus epidermidis, Streptococcus pneumoniae, Streptococcus pyogenes, Enterococcus faecalis, Enterococcus faecium, Haemophilus influenzae, E. coli, and Moraxella catarrhalis in mammals which comprises the administration to a mammal in need thereof an effective amount of a compound according to claim 13.

22. (New) A method of treating bacterial infections due to an organism selected from Staphylococcus aureus, Staphylococcus epidermidis, Streptococcus pneumoniae, Streptococcus pyogenes, Enterococcus faecalis, Enterococcus faecium, Haemophilus influenzae, E. coli, and Moraxella catarrhalis in mammals which comprises the administration to a mammal in need thereof an effective amount of a compound according to claim 14.

23. (New) A method of treating bacterial infections due to an organism selected from Staphylococcus aureus, Staphylococcus epidermidis, Streptococcus pneumoniae, Streptococcus pyogenes, Enterococcus faecalis, Enterococcus faecium, Haemophilus influenzae, E. coli, and Moraxella catarrhalis in mammals which comprises the administration to a mammal in need thereof an effective amount of a compound according to claim 15.